

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|-------------------------------------|------------------|---------|---------------------|
| L2 | 9 | (US-20040120353-\$ or US-20030191872-\$ or US-20030074515-\$ or US-20030005231-\$ or US-20050251588-\$ or US-20030229748-\$).did. or (US-7308512-\$ or US-6931457-\$ or US-7047357-\$).did. | US-PGPUB; USPAT | OR | ON | 2008/04/11 16:49 |
| L4 | 9 | 2 and (rate speed transfer) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/11 16:50 |
| L5 | 9 | 2 and (rate speed) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/11 16:50 |
| L6 | 6 | 2 and (rate) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/11 16:50 |
| L7 | 1 | 2 and (phase) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/11 16:55 |
| L8 | 2 | 2 and (frequency) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/11 16:56 |
| L9 | 3 | 2 and (clock) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/11 17:54 |
| L10 | 641 | (710/11 710/14).ccls. and (clock rate speed frequenc \$3) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/11 18:23 |
| L11 | 489 | (710/11 710/14).ccls. and (clock rate speed frequenc \$3) and @ad<"20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/11 18:23 |
| L12 | 24 | (710/11 710/14).ccls. and (clock rate speed frequenc \$3) same (IDE SATA) and @ad<"20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/11 18:24 |
| L13 | 30 | (710/11 710/14).ccls. and (clock rate speed frequenc \$3) same (mux multiplex \$3 switch\$3 convert\$3) and (threshold) and @ad<"20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/11 18:27 |

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| L14 | 1 | (710/11 710/14).ccls. and (clock rate speed frequenc \$3) same (mux multiplex \$3 switch\$3 convert\$3) and (threshold) and (IDE ATA SATA) and @ad< "20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/11 18:28 |
| L15 | 3 | (710/11 710/14).ccls. and (clock rate speed frequenc \$3) same (mux multiplex \$3 switch\$3 convert\$3) and (threshold) and ((encode embed enclud\$3) near (command data signal)) and @ad< "20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/11 18:29 |
| L16 | 50 | (US-20040120353-\$ or US-20070174504-\$ or US-20070260756-\$ or US-20050186832-\$ or US-20060069816-\$ or US-20060069932-\$ or US-20060101174-\$ or US-20060129703-\$ or US-20050024083-\$ or US-20050289262-\$ or US-20040223559-\$ or US-20040044802-\$ or US-20050086459-\$ or US-20060019542-\$ or US-20060041783-\$ or US-20060072909-\$ or US-20060218319-\$ or US-20060230218-\$ or US-20060242312-\$ or US-20060248241-\$ or US-20060271739-\$ or US-20070005880-\$ or US-20060136666-\$ or US-20060026315-\$ or US-20040071251-\$ or US-20040097122-\$).did. or (US-7230981-\$ or US-7134908-\$ or US-7159055-\$ or US-7271999-\$ or US-7293167-\$ or US-6781826-\$ or US-6791779-\$ or US-6811427-\$ or US-6832929-\$ or US-6832931-\$ or US-6884085-\$ or US-6908330-\$ or US-6965956-\$ or US-6976869-\$ or US-7003623-\$ or US-7056135-\$ or US-7076391-\$ or US-7171525-\$ or US-7238037-\$ or US- | US-PGPUB; USPAT | OR | ON | 2008/04/11 18:51 |

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| | | 7250751-\$ or US-7250784-\$ or US-7253652-\$ or US-7263153-\$ or US-7308534-\$).did. | | | | |
| L17 | 426 | 710/11.ccls. | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/11 19:05 |
| L18 | 321 | 710/11.ccls. and @ad< "20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/11 19:05 |
| S1 | 1 | 10/658590 | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/11 12:21 |
| S2 | 1 | "20040120353" | DERWENT | OR | ON | 2007/12/11 12:24 |
| S3 | 1 | "20030191874" | DERWENT | OR | ON | 2007/12/11 12:24 |
| S15 | 452 | (double near data near rate) and (ATA SATA) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/11 12:30 |
| S16 | 56 | (double near data near rate) and (ATA SATA) and @ad< "20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/12 13:25 |
| S17 | 138 | (double near data near rate) same (ATA SATA) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/11 12:30 |
| S18 | 25 | (double near data near rate) same (ATA SATA) and @ad< "20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/11 12:30 |
| S24 | 768 | ((ook near kim) (sungjoon near kim) (robert near norman) (chi near wai near ho) (frank near lee) (dongyun near lee) (gijung near ahn) (seung?ho near hwang)) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/11 12:33 |
| S25 | 456 | ((ook near kim) (sungjoon near kim) (robert near norman) (chi near wai near ho) (frank near lee) (dongyun near lee) (gijung near ahn) (seung?ho near hwang)) and @Pd< "20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/11 12:33 |
| S26 | 36 | ((ook near kim) (sungjoon near kim) (robert near norman) (chi near wai near ho) (frank near lee) (dongyun near lee) (gijung near ahn) (seung?ho near hwang)) and silicon.as. | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/11 12:33 |

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| S27 | 36 | ((ook near kim) (sungjoon near kim) (robert near norman) (chi near wai near ho) (frank near lee) (dongyun near lee) (gijung near ahn) (seung?ho near hwang)) and silicon.as. and pd<"20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/11 12:34 |
| S28 | 35 | ((ook near kim) (sungjoon near kim) (robert near norman) (chi near wai near ho) (frank near lee) (dongyun near lee) (gijung near ahn) (seung?ho near hwang)) and silicon.as. and pd<"20020906" and (rate speed) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/11 12:34 |
| S29 | 2 | ((ook near kim) (sungjoon near kim) (robert near norman) (chi near wai near ho) (frank near lee) (dongyun near lee) (gijung near ahn) (seung?ho near hwang)) and silicon.as. and pd<"20020906" and (double) with (rate speed) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/11 12:51 |
| S30 | 7 | 10/095422 10/036234 10/171860 10/095422 | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/11 12:49 |
| S31 | 10 | ("5550589" "5835498" "6148135" "6744815" "6905089" "6917366" "6914637" "6931071" "7030930" "7027714").pn. | USPAT | OR | ON | 2007/12/11 12:52 |
| S32 | 1 | ("5550589" "5835498" "6148135" "6744815" "6905089" "6917366" "6914637" "6931071" "7030930" "7027714").pn. and (double near5 (rate speed frequency)) | USPAT | OR | ON | 2007/12/11 12:53 |
| S36 | 46 | (double near (rate speed frequency)) and (ATA SATA) and @ad<"20020906" | US-PGPUB; USPAT; JPO | OR | ON | 2007/12/11 14:07 |
| S37 | 25 | ((double near (rate speed frequency)) and (ATA SATA)) and (parallel and serial) and @ad<"20020906" | US-PGPUB; USPAT; JPO | OR | ON | 2007/12/11 14:13 |

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| S38 | 43 | (parallel and serial) near (control) near (signal command) and @ad<"20020906" | US-PGPUB; USPAT; JPO | OR | ON | 2007/12/11 14:14 |
| S40 | 18 | (generat\$3 develop\$3 produc\$3 creat\$3) near ((serial) near (control) near (signal command)) and @ad<"20020906" | US-PGPUB; USPAT; JPO | OR | ON | 2007/12/11 14:18 |
| S41 | 25 | (generat\$3 develop\$3 produc\$3 creat\$3) near ((parallel) near (control) near (signal command)) and @ad<"20020906" | US-PGPUB; USPAT; JPO | OR | ON | 2007/12/11 14:16 |
| S43 | 11 | (generat\$3 develop\$3 produc\$3 creat\$3) near ((serial) near (control) near (signal command)) and @pd<"20010906" | US-PGPUB; USPAT; JPO | OR | ON | 2007/12/11 14:19 |
| S44 | 22 | (generat\$3 develop\$3 produc\$3 creat\$3) near ((parallel) near (control) near (signal command)) and @pd<"20010906" | US-PGPUB; USPAT; JPO | OR | ON | 2007/12/11 14:19 |
| S45 | 32 | S43 S44 | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/11 14:33 |
| S47 | 3 | (generat\$3 creat\$3 produc\$3 develop\$3) near5 ((serial and parallel) near logic) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/11 14:56 |
| S48 | 702 | (generat\$3 creat\$3 produc\$3 develop\$3) near ((serial and parallel)) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/11 15:16 |
| S49 | 17 | (generat\$3 develop\$3 produc\$3 creat\$3) near ((parallel and serial) near (signal command)) and @ad<"20020906" | US-PGPUB; USPAT; JPO | OR | ON | 2007/12/11 15:18 |
| S50 | 17 | ((generat\$3 develop\$3 produc\$3 creat\$3) near ((parallel and serial) near (signal command)) and @ad<"20020906") not silicon.as. | US-PGPUB; USPAT; JPO | OR | ON | 2007/12/11 15:24 |
| S51 | 19 | ((generat\$3 develop\$3 produc\$3 creat\$3) near ((parallel and serial) near (signal command information)) and @ad<"20020906") not silicon.as. | US-PGPUB; USPAT; JPO | OR | ON | 2007/12/11 15:40 |

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|-----|-----|---|-------------------------------------|----|----|---------------------|
| S52 | 164 | (multiplex\$3 near (serial and parallel)) | US-PGPUB; USPAT; JPO | OR | ON | 2007/12/11 15:45 |
| S53 | 50 | (multiplex\$3 near ((serial and parallel) near (signal command information data logic))) | US-PGPUB; USPAT; JPO | OR | ON | 2007/12/11 15:49 |
| S54 | 27 | (multiplex\$3 near (serial and parallel) near (signal command information data logic)) | US-PGPUB; USPAT; JPO | OR | ON | 2007/12/11 15:59 |
| S56 | 383 | (parallel near ATA) and (serial near ATA) | US-PGPUB; USPAT; JPO | OR | ON | 2007/12/11 16:00 |
| S57 | 33 | (parallel near ATA) and (serial near ATA) same (ATA near disk) and (((serial near ATA) SATA) near disk) | US-PGPUB; USPAT; JPO | OR | ON | 2007/12/11 16:01 |
| S58 | 24 | ((parallel near ATA) and (serial near ATA)) same ((ATA near disk) and (((serial near ATA) SATA) near disk)) | US-PGPUB; USPAT; JPO | OR | ON | 2007/12/11 16:05 |
| S59 | 3 | ((parallel near ATA) and (serial near ATA)) same ((ATA near disk) and (((serial near ATA) SATA) near disk)) and @ad< "20020906" | US-PGPUB; USPAT; JPO | OR | ON | 2007/12/11 16:01 |
| S60 | 61 | (ATA and SATA) near ("hard drive" "hdd" "disk drive" disk) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/12 10:59 |
| S61 | 2 | (ATA and SATA) near ("hard drive" "hdd" "disk drive" disk) and @ad< "20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/12 10:56 |
| S62 | 91 | ((("ATA" and "SATA") not (serial near ATA)) and @ad< "20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/12 10:58 |
| S63 | 29 | ((("ATA" and "SATA") not (serial near ATA)) and @pd< "20010906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/12 10:58 |
| S64 | 549 | ((serial near ATA) SATA) near ("hard drive" "hdd" "disk drive" disk) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/12 11:00 |
| S66 | 21 | ((serial near ATA) SATA) near ("hard drive" "hdd" "disk drive" disk) and @ad< "20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/12 11:05 |

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| S67 | 3 | ((serial near ATA) SATA) and (parallel near ATA)) near ("hard drive" "hdd" "disk drive" disk) and @ad< "20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/12 11:07 |
| S68 | 48 | ((serial near ATA) SATA) and (parallel near ATA)) and @ad< "20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/12 11:08 |
| S69 | 160 | ((serial near ATA) SATA) and ((parallel near ATA) IDE)) and @ad< "20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/12 11:09 |
| S70 | 160 | ((serial near ATA) SATA) and ((parallel near ATA) (IDE "integrated drive electronic")) and @ad< "20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/12 11:12 |
| S71 | 427 | ((serial and parallel) near ATA) ((serial and parallel) near ("hdd" "hard disk" disk)) and @ad< "20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/12 11:14 |
| S72 | 412 | ((serial and parallel) near ATA) ((serial and parallel) near ("hdd" "hard disk" disk)) and @pd< "20010906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/12 11:13 |
| S73 | 12 | ((serial and parallel) near ATA) ((serial and parallel) near ("hdd" "hard disk" disk))) and @pd< "20010906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/12 11:15 |
| S74 | 74 | ((serial and parallel) near ATA) ((serial and parallel) near ("hdd" "hard disk" disk)))and @ad< "20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/12 11:14 |
| S75 | 60 | ((serial and parallel) near ATA) ((serial and parallel) adj ("hdd" "hard disk" disk)))and @ad< "20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/12 11:21 |
| S76 | 2 | ((serial and parallel) near ATA) ((serial and parallel) adj ("hdd" "hard disk" disk))) and @pd< "20010906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/12 11:17 |
| S77 | 37 | ((serial and parallel) adj (storage))and @ad< "20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/12 11:21 |

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| S78 | 3 | ("2003/0191872").URPN. | USPAT | OR | ON | 2007/12/12 13:02 |
| S80 | 7 | (double near data near rate) with (ATA SATA) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/12 13:22 |
| S81 | 32 | ((twice two?times "2"? times double) near (frequency speed transmission rate)) and ((serial near ATA) SATA) and @ad<"20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2007/12/12 13:26 |
| S82 | 23 | ("disk drive" and (double near (data rate)) and encod\$3).bsum. | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/07 11:45 |
| S83 | 7 | ("disk drive" and (double near (data rate)) and encod\$3).bsum. and @ad<"20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/07 11:46 |
| S84 | 172 | ((double near (data rate)) and encod\$3).bsum. and @ad<"20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/07 12:02 |
| S85 | 96 | ((double adj (data rate)) and encod\$3).bsum. and @ad<"20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/07 12:02 |
| S86 | 127 | ((ATA and SATA)(double adj (data rate)) and encod \$3).bsum. and @ad<"20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/07 12:02 |
| S89 | 14 | ((parallel and serial) and (double near (data rate)) and encod\$3).bsum. and @ad<"20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/07 12:03 |
| S90 | 10 | ((parallel and serial) and (double adj (data rate)) and encod\$3).bsum. and @ad<"20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/07 12:03 |
| S92 | 13 | ((ATA and SATA) and (serial and parallel)).bsum. and @ad<"20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/07 12:11 |
| S94 | 665 | (ATA) and (mux multiplex \$3) and (serial and parallel) and @ad<"20020907" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/07 14:37 |
| S95 | 15 | ((ATA) and (mux multiplex \$3) and (serial and parallel)).bsum. and @ad<"20020907" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/07 14:37 |
| S96 | 1 | 09/860027 | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/09 15:00 |

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| S97 | 428 | (serial and parallel) adj (IDE ATA) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/09 16:28 |
| S98 | 45 | (serial and parallel) adj (IDE ATA) and @ad< "20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/09 16:32 |
| S99 | 2 | (serial and parallel) adj (IDE ATA) and (mux multiplex\$3) and ((storage near device) (disk near drive)) and @ad< "20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/09 16:33 |
| S100 | 11 | (serial and parallel) adj (IDE ATA) and (mux multiplex\$3 switch) and ((storage near device) (disk near drive)) and @ad< "20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/09 16:33 |
| S101 | 2 | (serial and parallel) adj (IDE ATA) and (mux multiplex\$3) and @ad< "20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/09 16:35 |
| S102 | 2 | "20030191874" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/09 16:57 |
| S103 | 8 | ((frank near barth) (henry near drescher) (alexander near krebs)).in. and @ad< "20020906" | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2008/04/09 17:01 |

4/11/2008 7:06:12 PM

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